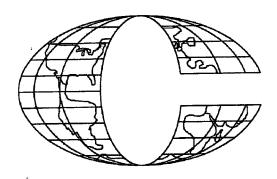
Prepared for

Interim Pedricktown Site Group

c/o Leed Environmental, Inc. Van Reed Office Plaza 2209 Quarry Drive, Suite C-35 Reading, Pennsylvania 19609

Residential Well Water Sampling Report NL Industries, Inc. Superfund Site Pedricktown, New Jersey

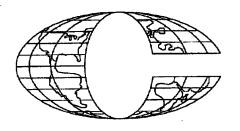
September 2006



Prepared by

CSI Environmental, LLC

918 Chesapeake Avenue Annapolis, Maryland 21403



CSI Environmental, LLC

Environmental and Remediation Specialists

18 September 2006

Interim Pedricktown Site Group c/o Mr. Jeff Leed Leed Environmental, Inc. Van Reed Office Plaza 2209 Quarry Drive, Suite C-35 Reading, PA 19609

Subject:

Residential Well Water Sampling Report

NL Industries Superfund Site, Pedricktown, New Jersey

Dear Mr. Leed:

CSI Environmental, LLC (CSI) prepared this report to summarize the results from the analysis of water samples obtained from the residences and one commercial facility located along U.S. Route 130 near the NL Industries Superfund Site in Pedricktown, New Jersey in June 2006. CSI previously sampled and analyzed water samples from the same locations in January 2004 and reported that groundwater from the NL Industries Superfund Site had not affected the water quality at the residences. The U.S. Environmental Protection Agency (EPA) requested that the Interim Pedricktown Site Group (Group) resample the residential water to evaluate current conditions. CSI obtained the water samples in accordance with its 17 May 2006 Residential Water Sampling Plan. A site plan showing the NL Industries Superfund Site and surrounding residential properties is provided as Figure 1. A summary of tasks performed and the results obtained are presented herein. EPA's representatives observed sampling activities performed by CSI in June 2006.

Sampling and Analysis

CSI personnel obtained water samples from the locations identified on Table 1 and shown on Figure 1 on 20 June 2006. CSI temporarily affixed dedicated polyethylene tubing to spigots located at each property. The spigots were opened and water was allowed to flow for approximately 15 minutes to purge the system of possible effects caused by the water delivery system at each location to the degree possible. CSI obtained two grab samples of water from each location that had not passed through any water treatment system. CSI filtered one of the samples using an in-line, disposable 0.45 micron filter. The other was not filtered.

The water samples were placed into 500 milliliter plastic containers and preserved with nitric acid. The samples were then immediately placed in a cooler on ice and shipped to Chemtech Laboratories via overnight delivery. Chain-of-custody documentation was included with the sample shipment. Chemtech analyzed the filtered

water samples for dissolved lead and cadmium using EPA Contract Laboratory Protocol (CLP) ILM04.1, as directed by EPA. Unfiltered samples were analyzed for total lead and cadmium using the same method. The laboratory data are summarized on Table 1 and the laboratory report is provided in Attachment A.

Quality Assurance/Quality Control

During sampling activities, CSI obtained Quality Assurance/Quality Control (QA/QC) samples in addition to the water samples. One duplicate sample, one matrix spike/matrix spike duplicate (MS/MSD), and one rinsate blank were included with the sample shipment to Chemtech. The duplicate sample was identified as RES-100 and is a duplicate of CRUZ-195. CSI prepared the rinsate blank by pouring distilled water over clean sampling equipment. Following analysis of the QA/QC samples, the laboratory reported that all parameters were within the acceptable ranges for the cadmium analyses. For lead, all parameters were within the method-specified ranges except the MS/MSD criteria. Laboratory personnel advised CSI that the MS/MSD recoveries for lead were related to interference in the sample.

Upon receipt of the analytical data, CSI personnel reviewed the data for completeness and accuracy. As a means of validating the lead data, CSI requested the laboratory to verify its original results for lead by analyzing the samples for total lead using EPA method 200.8, which is an ICP/MS technique that is not prone to interferences. The results from the confirmation analyses using EPA method 200.8 verified the original data from the ILM 04.1 analyses were correct. The results from the confirmation analysis are summarized in Attachment B.

Results

Using the EPA-specified laboratory method, CLP method ILM 04.1, the laboratory reported no detection of either lead or cadmium in the water samples obtained from the residences and one business located along U.S. Route 130 near the NL Industries Superfund Site. The results from the ILM 04.1 analysis are summarized on Table 1. These data confirm previous conclusions that neither lead nor cadmium in groundwater at the former industrial area at the NL Industries Superfund Site has migrated in the groundwater to the residential area located along U.S. Route 130.

CSI appreciates the opportunity to provide environmental services to the Group. If you have any questions, please call me at (410) 268-7261.

Sincerely,

CSI HNVIRONMENTAL, LLC

Jeffrey W. Moore, P.G., P.E.

Principal

TABLE 1 Residential Water Sampling Results June 20, 2006 NL Industries Superfund Site Pedricktown, NJ

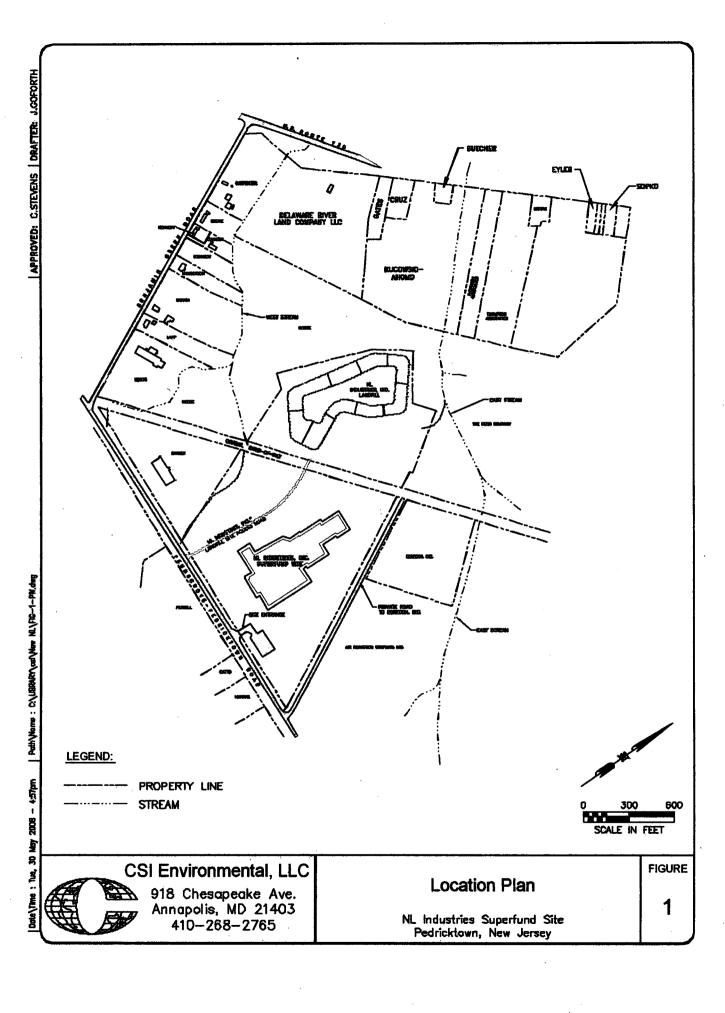
Sampling Location	Turbidity (NTU)	Total Pb (ug/L)	Total Cd (ug/L)	Dissolved Pb (ug/L)	Dissolved Cd (ug/L)
EYLER-167	17.0	ND	ND	ND	ND
SOPKO-165	14.0	ND	ND	ND	ND
CRUZ-195	210.0	ND	ND	ND	ND
HODGE-201	3.6	ND	ND	ND	ND
BUTCHER-189	150.0	ND	ND	ND	ND
GATES-197	100.0	ND	ND	ND	ND
KUCOWSKI- AHAMD-191	5.4	ND	ND	ND	ND
RES-100	190.0	ND	ND	ND	ND
RB-1 *	NM	ND	ND	ND	ND

Notes:

CLP Method ILM04.1

On laboratory reports, data qualifier U indicates no detection; J indicates estimated concentration.

^{*} RES-100 is a duplicate sample of CRUZ-195. RB-1 is a rinsate blank.



ATTACHMENT A



ANALYTICAL RESULTS SUMMARY

PROJECT NAME: NL Industries 2006

CONSTRUCTION SERVICES INT. 918 CHESAPEAKE AVE. ANNAPOLIS, MD 21403 4102687261

CHEMTECH PROJECT NO. ATTENTION:

X3412 Jeff Moore

www.chemtech.net Since 1967

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

					1	EILER-I	37
Lab Name:	Chemtec	h Consulting Gr		4			
Lab Code:	CHEMED	Case No.:	<u>X3412</u> SA	s No.: <u>X3412</u>	SDG	No.: X3412	
Matriz (soi	il/water):	WATER		Lab Sample ID:	<u> x34</u> :	12-01	•
Level (low,	med):	LOW		Date Received:	6/2	2/2006	•
% Solids:	0.0	•					
•			_			UG/L	
		Concentrati	on Units (ug/L o	or mg/kg dry weigh	c) :	00/12	
	; ,	CAS No.	Analyte	Concentration	C Q	М	
		7440-43-9	Cadmium	1.0	U M	P	
		7439-92-1	Lead	1.0	บห	P	
•							
				·			
	:						
							.:
Color-Be	afore: C	OLORLESS C	larity Before:	CLEAR	Textu	re:	

Metals

CLEAR

COLORLESS Clarity After:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA	SAMPLE	NO.	
SC	PRO-16!	3	

				`•		·	
Lab Name:	Chemtech	Consulting Gro	up Contrac	t: Constructi	on Ser		
Lab Code:	CHEMED	Case No.:	X3412 SAS	No.: X3412	_ SDG	No.:	X3412
Matriz (soi	l/water):	WATER		Lab Sample ID:	<u> X34</u>	12-02	
Level (low/	med):	LOW		Date Received:	6/2	22/2006	
% Solids:	0.0						
		Concentratio	n Units (ug/L or	mg/kg dry weight	:) :	UG/I	<u>L</u>
	:	CAS No.	Analyte	Concentration	c c	м	
		7440-43-9	Cadmium	1.0	U N	P	ĺ

Lead

7439-92-1

Colon-Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					
•					

INORGANIC ANALYSES DATA SHEET

EPA	Sample	NO.	
C	RUZ-195		

							i		
Lab Name:	Chemtech	Consulting Gr	oup Cont	ract:	Construction	n Se	<u> </u>		
Lab Code:	CHEMED	Case No.:	X3412 S	BAS No.:	X3412	SD	G No.	:	X3412
Matrix (soi	1/water):	WATER		Lab	Sample ID:	X	412-0)3	·····
Level (low/	med):	LOW		Dat	e Received:	6/	22/20	006	
% Solids:	0.0	•			•				_
		Concentrati	on Units (ug/L	or mg/k	g dry weight)	:	<u>י</u>	JG/L	-
	·	CAS No.	Analyte	Conce	entration	=	Q	м	
		7440-43-9	Cadmium		1.0	N	T i	P	

Lead

1.0 U N

ColoreBefore:	COLORLESS	Clarity Before:	CLEAR	Texture:	
Color After:	AETTOM	Clarity After:	CLEAR	Artifacts:	
Comments:		٠.			•
Comments:					_

INORGANIC ANALYSES DATA SHEET

 epa	SAMPLE	NO.
HO	DGE-201	

				•	:		1		
Lab Nama:	Chentec	h Consulting G	roup Cont	ract:	Constructi	on	Ser		
Lab Code:	CHEMED	Case No.:	X3412 s	AS No.:	X3412	_	SDG N	o.:	X3412
Matrix (soi	l/water):	WATER		Lab	Sample ID:		<u> </u>	2-04	
Level (low/	med):	LOW		Dat	e Received:		6/22/	/2006	
% Solids:	0.0	<u>.</u>							
		Concentrat	ion Units (ug/L	or mg/k	g dry weigh	t) :		UG/	<u>.</u>
	;	CAS No.	Analyte	Conce	entration	С	Q	м	
		7440-43-9	Cadmium		1.0	U	N	P	Ì
	•	7439-92-1	Lead	1	1.0	ט	И	P	ļ

Color After:	COLORLESS	Clarity Before: Clarity After:	CLEAR	Texture:	
Comments:					

INORGANIC ANALYSES DATA SHEET

epa	Sample	MO.	
 BUI	CHER-1	39	

					:		ı		
Lab Name: Ch	nemtech Con	nsulting Gr	coup Cor	ntract:	Constructi	on.	Ser		
Lab Code: CI	EMED	Case No.:	X3412	SAS No.:	X3412		SDG No).:	X3412
Matrix (soil/w	rater):	WATER		Lab	Sample ID:		<u> X3412</u>	-05	
Level (low/med	i): <u>Low</u>			Date	e Received:		6/22/	2006	
% Solids: 0.	. 0								
		Concentrati	on Units (ug.	/Lormg/k	g dry weigh	t) :		UG/I	L_
		CAS No.	Analyte	Conce	ntration	С	Q	м	
	74	140-43-9	Cadmium		1.0	Ū	N	₽	<u>]</u>
	74	139-92-1	Lead	ì	1.0	Ū	И	P	

ColoreBefore:	COLORLESS	Clarity Before:	CLEAR	Texture:	· · · · · · · · · · · · · · · · · · ·
Color After:	AETTOM	Clarity After:	CLEAR	Artifacts:	
Comments:					
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INORGANIC ANALYSES DATA SHEET

Contract:

•*			EEW SWEETE NO.	
			RB-1	
Construction	Ser	<u> </u>		
X3412	SDG	No.:	X3412	
Sample ID:	<u> X34</u>	12-05		
e Received:	6/2	2/2006	5	

Lab Code: CHEMED Matrix (soil/water):

WATER

Case No.: X3412

SAS No.:

Lab Sample ID:

Level (low/med):

Lab Name: Chemtech Consulting Group

Date Received:

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight):

UG/L

CAS No.	Analyte	Concentration	С	Q	М
7440-43-9	Cadmium	1.0	U	N	₽
7439-92-1	Lead	1.0	ū	N	P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:			· .	i	
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INORGANIC ANALYSES DATA SHEET

EPA	SAMPLE	NO.	
 G2	TES-19	7	

Lab Name:	Chemtech	Consulting G	roup Cont	ract:	Construct	ion	Ser		
Lab Code:	CHEMED	Case No.:	X3412 S	AS No.:	X3412		SDG N	o.:	X3412
Matrix (soi	.l/water):	WATER		Lab	Sample ID	:	<u>X3412</u>	2-07	
Level (low/	med):	LOW		Date	a Received	:	6/22	/2006	
t Solids:	0.0						. ,		
	-		ion Units (ug/L	or mg/k	j dry weig	ht) :		υG/	<u>.</u>
	-		ion Units (ug/L		g dry weigh	ht):	Ω	UG/	<u>-</u>
	-	Concentrat			1	-	T		<u>c </u>

ColoreBefore:	COLORLESS	Clarity Before	e: CLEAR	Texture:	
Color After:	AETTOM	Clarity After	: CLEAR	Artifacts:	 ·
Comments:					 ·
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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KUCOWSKI-AHAMD-191

Construction Ser Contract: Chemtech Consulting Group Lab Name: X3412 SDG No.: X3412 Case No.: X3412 SAS No.: Lab Code: CHEMED X3412-08 Lab Sample ID: WATER Matrix (soil/water): 6/22/2006 Date Received: LOW Level (low/med): 0.0 % Solids: UG/L Concentration Units (ug/L or mg/kg dry weight): Concentration M C. Q Analyte CAS No.

Cadmium

Lead

7440-43-9

7439-92-1

1.0

1.0

UN

N U

P

₽

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					
<u>.</u>					

INORGANIC ANALYSES DATA SHEET

EPA	Sample	NO	•	
. 1	es-100			

Construction Ser Chemtech Consulting Group Contract: Lab Name: X3412 SDG No.: X3412 Case No.: X3412 SAS No.: Lab Code: CHEMED X3412-09 Lab Sample ID: WATER Matrix (soil/water): 6/22/2006 Date Received: Level (low/med): LOW % Solids: 0.0 UG/L Concentration Units (ug/L or mg/kg dry weight): Concentration M Analyte CAS No. 1.0 Ū N P Cadmium 7440-43-9 ט P 1.0 7439-92-1 Lead

Color-Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	
Color After:	AETTOM	Clarity After:	CLEAR	Artifacts:	
Comments:					
					
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INORGANIC ANALYSES DATA SHEET

EPA	SAME	LE	MO.	
				_
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				:		- 1			•
Lab Name:	Chemtech CHEMED	Case No.:		t: Constructi No.: X3412		E No	.:	X3412	
Matrix (soi		Water Low		Lab Sample ID: Date Received:		3412- /22/2			
Level (low/	mec.):	LON			-				
% Solids:	0.0							•	
		Concentration	n Units (ug/L oz	mg/kg dry weight	t):		OG/L		
	1	CAS No.	Analyta	Concentration	С	Q	M		

Cadmium

Lead

7440-43-9

7439-92-1

1.0

1.0 U N

P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					

INORGANIC ANALYSES DATA SHEET

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	-	-		-	•			

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N U

Lab Nama: Lab Code: Matrix (soi Level (low/	CHEMED 1/water):	Consulting Gro Case No.: WATER	•	No: K3412 Lab Sample ID: Date Received:	on_	Ser SDG No X3412- 6/22/2	-11	<u>X3412</u>	:
		Concentration	n Units (ug/L or	mg/kg dry weigh	t) :		UG/I	<u>.</u>	
		CAS No.	Analyte	Concentration	С	Q	М		
		7440-43-9	Cadmium	1.0	Ū	и	P	1	

Lead

7439-92-1

Color After: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA	Sample	MO.	
 C	RUZ-195		

Construction Ser Lab Name: Chemtech Consulting Group Contract:

X3412 SDG No.: X3412 Case No.: X3412 SAS No.: CHEMED Lab Code:

X3412-12 Lab Sample ID: WATER Matrix (soil/water):

6/22/2006 Date Received: Level (low/med): LOW

% Solids: 0.0 Concentration Units (ug/L or mg/kg dry weight):

UG/L

CAS No.	Analyte	Concentration	С	δ.	м
7440-43-9	Cadmium	1.0	Ū	N	₽
7439-92-1	Lead	1.0	שן	N	₽

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	· · · · · · · · · · · · · · · · · · ·
Color After:	AETTOM	Clarity After:	CLEAR	Artifacts:	
Comments:				<u> </u>	
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INORGANIC ANALYSES DATA SHEET

 EPA	Sample	NO.	
 HC	DGE-201		

	•								
Lab Name:	Chemtech	Consulting G	coup Con	tract:	Construct	ion	Ser		
Lab Code:	CHEMED	Case No.:	X3412	SAS No.:	X3412		SDG N	o.:	<u> </u>
Matrix (soi	1/water):	WATER		Lab	Sample ID:		<u> X3412</u>	-13	
Level (low/		LOW		Dat	e Received:		6/22/	2006	
% Solids:	0.0	-							•
		Concentrati	ion Units (ug/	L or mg/k	g dry weigh	ıt) :		UG/	<u> </u>
	•	CAS No.	Analyte	Conce	entration	С	·Q	м	
•		7440-43-9	Cadmium		1.0	U	И	P	1
			1 =		1 0	ΙŪ	N	P	

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					
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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO. BUTCHER-189

Lab Name: Lab Code:	Chemtech CHEMED	Consulting Gro		No.: X3412		r G No.:	X3412	
Matrix (soi		WATER		Lab Sample ID		<u>412-14</u> 22/2006		
Concentration Units (ug/L or mg/kg dry weight): CAS No. Analyte Concentration C Q M								

Cadmium

Lead

7440-43-9

7439-92-1

1.0

1.0 U N

P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	
Color After:	YELLOW	Clarity After:	CLEAR	Artifacts:	
Comments:					
- -					

INORGANIC ANALYSES DATA SHEET

	PLA	SAMPLE NO.	
		RB-1	
•			- 1

					<i>:</i>				KB-I
Lab Name:	Chemtech	Consulting Gr	oup Contr	act:	Construct	Lon	Ser		
Lab Code:	CHEMED	Case No.:	<u>x3412</u> s	AS No.:	X3412	_	SDG N	0.:	X3412
Matrix (soi	l/water):	WATER		Lab	Sample ID:		X3412	2-15	
Level (low/	med):	LOW		Dat	e Received:		6/22/	2006	························
% Solids:	0.0	•			·				•
		Concentrati	on Units (ug/L	or mg/l	ng dry weigh	t) :		UG/	<u>L</u>
	•	CAS No.	Analyte	Conce	entration	C	Q	м	
	•	7440-43-9	Cadmium		1.0	Ū	N	₽	
		7439-92-1	Lead	ı	1.0	U	N	P	<u> </u>

7439-92-1

Lead

Color After:	COLORLESS	Clarity Before: Clarity After:	CLEAR	Texture:	
Comments:					 4 -3
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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO. GATES-197

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₽

1.0 U N

•	•				-		1		
Lab Name:	Chemtech	Consulting Gro	up Contrac	st:	Construction	Ser		:	
Lab Code:	CHEMED	Case No.:	<u>X3412</u> SAS	No.:	X3412	SDG	No.:	X3412	
Matrix (soi	l/water):	WATER		Lab	Sample ID:	<u> X34</u>	12-16		. .
Level (low/		LOW		Date	Received:	6/2	2/200	5	-
% Solids:	0.0							•	
Concentration Units (ug/L or mg/kg dry weight): UG/L									
		CAS No.	Analyte	Conce	ntration C	. 0	м		

Cadmium

Lead

7440-43-9

7439-92-1

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

KUCOWSKI-AHAMD-191

Lab Name:	Chemtech Co	nsulting Gro	<u> </u>	Contract:	Construction	Ser		. :
Lab Code:	CHEMED	Case No.:	X3412	SAS No.:	<u>x3412</u>	SDG No.:	X3412	
Matrix (soi	L/water):	WATER		Lal	Sample ID:	<u>x3412-17</u>		
Level (low/	med): LO	7		Dat	e Received:	6/22/2000	<u> </u>	
t Solids:	0.0						•	
		Concentration	n Units	(ug/L or mg/l	g dry weight):	UG	'L	

CAS No.	Analyte	Concentration	С	Q	М
7440-43-9	Cadmium	1.0	Ū	И	P
7439-92-1	Lead	1.0	U	И	₽

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	•
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					

INORGANIC ANALYSES DATA SHEET

epa	Sample	NO.	
	B0-100		

	•					L.		
Lab Name:	Chemtech	Consulting G	roup Contr	act: Construc	tion	Ser		
Lab Coda:	CHEMED	Case No.:	<u>X3412</u> S	AS No.: X3412		SDG N	lo.:	X3412
Matrix (soi	.l/water):	WATER		Lab Sample D	o:	X341	2-18	
Level (low/	med):	LOW		Date Receive	ā:	6/22	/2006	
% Solids:	0.0	,		·				
		Concentrat	ion Units (ug/L	or mg/kg dry wei	ght) :		UG/	<u>.</u>
	•	CAS No.	Analyte	Concentration	С	Q	м	
		7440-43-9	Cadmium	1.0	U	N	P	
		7439-92-1	Lead	1.0	שן	N	P	<u>]</u>

Lead

7439-92-1

COLORLESS CLEAR Clarity Before: Texture: Color Before: CLEAR Artifacts: YELLOW Clarity After: Color After: Comments:



GETTEG 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Date Collected: 6/20/2006 Client: Construction Services Int.

Date Received: 6/22/2006 **NL Industries 2006** Project:

SDG No.: X3412 Client Sample ID: EYLER-167

WATER Matrix: Lab Sample ID: X3412-01

0.00 % Solids:

Date Analyzed Method Units DF Result Qualifier RLAnalyte 6/22/2006 180.1 Turbidity 1 0.05 NTU 17.0 Turbidity



CHITTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:

Construction Services Int.

Date Collected: 6/20/2006

Project:

NL Industries 2006

Date Received: 6/22/2006

Client Sample ID: SOPKO-165

SDG No.:

X3412

Lab Sample ID:

X3412-02

Matrix:

WATER

% Solids:

0.00

Analyte	Result	Qualifier	RL	Units		Date Analyzed	Method
Turbidity	14.0		0.05	NTU	1	6/22/2006	180.1 Turbidity



GETTLEG 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:

Construction Services Int.

Date Collected: 6/20/2006

NL Industries 2006

Project:

210.0

Date Received: 6/22/2006

Client Sample ID: CRUZ-195

10.00

SDG No.:

X3412

Lab Sample ID:

X3412-03

WATER

% Solids:

0.00

Matrix:

An	alyt	e	

Turbidity

Qualifier Result

Units RL

NTU

Date Analyzed Method DF 6/22/2006

180.1 Turbidity



CHETTLECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client

Construction Services Int.

Date Collected: 6/20/2006

Project:

NL Industries 2006

Date Received: 6/22/2006

Client Sample ID: HODGE-201

SDG No.:

X3412

Lab Sample ID:

X3412-04

Matrix:

WATER

% Solids:

0.00

Analyte	Result	Qualifier	RL	Units	DF	Date Analyzed	Method
Turbidity	3.6	and the state of t	0.05	NTU	1	6/22/2006	180.1 Turbidity



GETTLEG 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Units

NTU

RL

5.00

Client:

Construction Services Int.

Qualifier

Date Collected: 6/20/2006

Project:

NL Industries 2006

Date Received: 6/22/2006

Client Sample ID: BUTCHER-189

SDG No.:

X3412

Lab Sample ID:

X3412-05

WATER

0.00

Matrix:

20	CORRES.	4400

Result Analyte 150.0 Turbidity

Date Analyzed Method DF 6/22/2006

180.1 Turbidity



CHITTEG 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client

Construction Services Int.

Date Collected: 6/20/2006

SDG No.:

Project:

NL Industries 2006

Date Received: 6/22/2006

Client Sample ID: GATES-197

X3412

Lab Sample ID:

X3412-07

Matrix:

WATER

‰	50	цQ	3

0.00

Analyte	Result	Qualifier	RL	Units		Date Analyzed	
Turbidity	100.0		5.00	NTU	10	6/22/2006	180.1 Turbidity



CHETTLECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client

Construction Services Int.

Date Collected: 6/20/2006

Project:

NL Industries 2006

Date Received: 6/22/2006

SDG No.:

X3412

Lab Sample ID:

Client Sample ID: KUCOWSKI-AHAMD-191

X3412-08

Matrix:

WATER

% Solids:

0.00

Analyte	Result	Qualifier	RL	Units		Date Analyzed	
Turbidity	5.4		0.05	NTU	1	6/22/2006	180.1 Turbidity



CETTLECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:

Construction Services Int.

Date Collected: 6/20/2006

Project:

NL Industries 2006

Date Received: 6/22/2006

Client Sample ID: RES-100

SDG No.:

X3412

Lab Sample ID:

X3412-09

WATER

% Solids:

0.00

Matrix:

Analyte	Result	Qualifier	RL	Units		Date Analyzed	Method
Turbidity	190.0		5.00	NTU	10	6/22/200€	180.1 Turbidity



Client Sample ID: GATES-197

GETTEG 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:

Construction Services Int.

Date Collected: 6/20/2006

NL Industries 2006

Date Received: 6/22/2006

Project:

100.0

SDG No.:

X3412

Lab Sample ID:

X3412-19

Matrix:

WATER

% Solids:

Turbidity

0.00

<u> </u>							
Analyte	Result	Qualifier	RL	Units		Date Analyzed	-
Turbidity	100.0		5:00	NTU	10	6/22/200€	180.1 Turbidity

ATTACHMENT B

ATTACHMENT B Residential Water Samples Confirmation Data (EPA Method 200.8) NL Industries Superfund Site Pedricktown, NJ

Sampling Location	Total Pb (ug/L)
EYLER-167	0,99 J
SOPKO-165	0.72 J
CRUZ-195	0.69 J
HODGE-201	1.1 J
BUTCHER-189	1.1 J
GATES-197	0.33 J
KUCOWSKI-AHAMD-191	0.28 J
RES-100* (a)	0.58 J
RES-100° (b)	0.50 J
RB-1**	0.16 J

Notes:

- * RES-100 is a duplicate sample of CRUZ-195. Chemtech analyzed the same sample two times for additional QA/QC.
- ** RB-1 is a rinsate blank.

Metali	
-1·	



Metab

			-1-					
		NORGANIC	Analyses d	ata sheet			EPA SAMPLE	
Lab Name: Chemte	dh Consultina G	roup	Contract:	Construct	ion S	<u></u>	20500-21	
Leb Codo: CHENED	Case No.:	X4312	SAS NO.;	X4312	S	96 Ro.:	X4312	
Metrix (soil/water)	: WATER		Láb	Sample ID:	Ž	4312-0	2	
Level (low/med):	LOW		Deb	s Received:	8	/28/06		
t Solids: 0.0							•	
	Concentrati	ion Units 1	mg/s or mg/k	ā gasā meņāji	t) :	<u>u</u>	G/L	
	CAS No.	Anely	rte Conce	ntration	c	9	K]	
	7439-92-1	Lead		0.72	J	1	is i	

Colof Before:	COLORLESS	Clarity Before:	CLEAR	Tosture:	
Color After:	COLORLESS	Glority After:	CLEAR	aptifécts:	
Comment #1			ferranser.		

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Motals

INORGANIC ANALYSES DATA SHEET

EPA	Sample	ŅQ.	
EY	LER-16	7	

							Γ		EYLER-167
Lab Name:	Chemtech C	onsulting Gr	oup Co	ntract:	Construct	ion	<u>Sér</u>		
Lab Code:	CHEMED	Case No.:	X4312	ŠAS No.:	X4312		SDG H	o.:	X4312
Matrix (soi)	l/water):	WATER		طمنا	Sample ID:		<u> X431</u> 2	2-01	
Level (low/s	red): L	7 4		Dat	e Received:		8/28/	06	······································
4 Solids:	0.G		,						
		Concentration	on Guita (nă	/Lormg/k	d gra merdy	(t) :		UG/	<u>L</u>
		CAS No.	Analyte	Conce	ntration	С	Č.	м	
		7439-92-1	Lead		0.99	3		MS	<u>]</u>

olor	Before:	COLORLESS	Clarity Sefore:	CLEAR	Texture:	
olor	After	COLORLESS	Clarity After	CLEAR	Artifacts:	
(dene:	1684					

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INORGANIC ANALYSES DATA SHEET

EPA	Sample	No.	1
301	CHER-1	39	

								BOTCHER-189
Lab Name:	Chenteci	Consulting G	roup Contr	act: Constructi	on S	er		
Lab Code:	CHEMED	Case No.:	X4260 92	18 No.: X4260	_ {	DC No	.:	X4260
Matrix (so	il/water):	WATER		Lab Sample ID:	Ž	<u>(4260</u>	≠05	;
Level (low	/med):	LOW		Data Received:		3/22/	06	
% Solids:	0.0							
		Concentrat	ion Units Ins/L	or mg/kg dry weight	=} ;		UG/I	· .
								
		CAS No.	Analyte	Concentration	C	2	M	
•		7439-92-1	Lead	1.1	ग		MS	}
					•			
			·	14				
\$				•			*	
				•				
		•						
Color Be	efora: co	lorless C	larity Before:	clear	Tex	tuie:		

Metals

Artifacts:

clear

Clarity After:

colorless

Color After:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

						KUCOWSKI-	AHMAD-191
Lab Name:	Chemtech	Consulting	Group Con	tract: Construct	tion Ser		
Lab Code:	CHEMED	Case No	s.: <u>X4312</u>	385 No.: X4312	SDG	No.: <u>X4312</u>	<u> </u>
Matrix (soi	1/water):	WATER		Lah Sample ID	: X431	2-05	
Level (low/	med):	LOW		Pate Received	8/28	/06	
• Solids:	0.0	• '					
		Concenti	ration Units (ug/	L or mg/kg dry woig	ht):	UG/L	
		CAS No.	Analyte	Concentration	c 0	M	
		7439-92-1	Lead	0.28	J	MS	
						•	
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Color Befs	re: COLO	RLESS	Clarity Refore:	CLEAR	Texture:	:	· · · · · · · · · · · · · · · · · · ·
Color Afte	r: COLO	RLESS	Clarity After:	CLEAR	Artifort	.	
Comments:							
							

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		11	(ORGANIC A	nalyses d	ATA SHEET				EPA SAMPLE NO.
									ČRUZ-195
Lab Name:	Chemtech	<u>Consultina Gr</u>	oun C	ntract;	Construct	ion	ser		
Lab Code:	CHEMED	Case No.:	X4312	SAS No.:	X4912		SDG N	o.:	X4312
Matrix (soi	1/weter):	WATER		Lal	sample ID	: ;	X4312	-03	
Level (low/	med): <u>I</u>	OW		Dat	e Received	:	8/28/	′ 06	
₹ Solide:	0.0								
		Manusca America	ana tanàna la	.79 21				nel	• E.
		Concentrati	ou nurce (se	ir or main	d ozh mëjdi	1621		ōē∖.	
		CAS No.	Analyte	Conce	atration	Ē	δ	M	
	Ì	7439-92-1	Load		0.69	जि		MS	j

Color	Before:	COLORLESS	Clarity	Before:	CLEAR	Texture:	
Cojëz	After:	COLORLESS	Clarity	After:	CLEAR	Artifacta:	
Commen	ts:						
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INORGANIC ANALYSES DATA SHEET

1		ш	ORGANIC ANA	Cises data shee	•1	ſ	1	EPA SAMPLE NO. CATES-197
Lab Neme:	Chentech CHEMED	Case No.:		AS No.: X4260	stion	Séx Sex L	' e≀	X4260
Matrix (so: Level (low)		WATER	The state of the s	Lab Sample I		X4260		
% Solids:	0.0			**************************************	 ?	21221	<u> </u>	
	•	Concentratio	on Units (vg/L	or mg/kg dry wei	ghtį:		UG/	, <u>5</u>
		CAS No.	Analyte	Concentration	c	Q	M	
		7439-92-1	Lead	0.99	- 5		Two	; }

Color Before	e colorless	Clerity Be	fore:	clear	Texture:	4
Color After:	colorless	Clarity Af	iter:	clear	Artifacts:	
Comments:						

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INORGANIC	ANALYSES	DATA	SHEET

					ſ	1	iodgr-201
Lab Name: Chemtech	Consulting G	<u>roup</u> Conti	ract: Construc	tion	Ser	· · · · · · · · · · · · · · · · · · ·	
Lab Code: CHEMED	Case No.:	<u> </u>	AS No.: X4312		SDG No	re Ž	4312
Matrix (soil/water):	WATER		Lab Sample II):	<u> X4312</u>	-04	····
Level (low/med):	LOW		Date Received	ŀ	8/28/	06	
% Solids: 0.0	-						
% Solids: C.O	- Concentrat	ion Units (ug/L	or mg/kg dry weig	ht):		ŬĜ/Ł	
% Solids: C.O	Concentrat	ion Units (ug/L	or mq/kg dry weig	ht):	δ	UG/Ł	

Calar	Before:	COLORESS	Clarity	Before:	CLEAR	Yexturs:	
color	After:	COLORLESS	Clarity	After:	CLEAR	Artifacts:	**************************************
:omer	: 631				anne alle a deput place antique d'arger e sur lebe que alle serie		
					W. S. 11.		
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INORGANIC ANALYSES DATA SHEET

RPA SAMPLE NO.

				art: Construct	inin (L	<u></u>	
Lab Wame:		Consulting G				SDG No	. .	X4260
Lab Code:	CHEMED	Case No.:	<u>x4260</u>					
fatrix (so		WATER	-	Lab Sample ID:		X4260		
Level (low,	/med):	LOW		Date Regeived:		8/22/	ne .	
solids:	0-0	<u>.</u>						-
		Concentrati	ion Units (ug/L	or mg/kg dry weigh	t):		UG/1	
					c		м	
		CAS No.	Analyte	Concentration		Q		
		7439-92-1	Lead	0.56	J		MS	·
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		•						٠.
Color Be	efore: aa	lorless (Clarity Before:	clear	Te	xture	:	

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Artifacts:

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Clarity After:

clear

colorless

Color After:

Comments:

INORGANIC ANALYSES DATA SHEET

					-	سا		EPA SAMPLE NO. RES-100
Lab Name: Lab Code:	Chemtech CHEMED	Case No.		xect: <u>Construc</u> SAS No.: <u>X4312</u>	tion	SQE SOG M). <i>z</i>	X4312
Matrix (soi	• • •	water Low		Lab Sample II		X4312 8/28/		
% Solids:	0,0						JaX: u z	
		Concentrat	ion Units (ug/L	or mg/kg dry weig	ņt) :		UG/I	<u>-</u>
		CAS No.	Analyte	Concentration	C	ō	м	
		7439-92-1	Lead	0.50	3		MS	

Cálóf Before:	COLORLESS	Clarity :	Before:	CLEAR	Texture:	
Color After:	COLORLESS	Clarity !	After:	CLEAR	Artifacts:	
Comments:						
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INORGANIC ANALYSES DATA SHEET

		E TORONIO MIN	DIOES DAIR GILL L			efa sample no.
						PB-1
Lab Name: Chem	tech Consulting	Group Cont	ract: Construct:	ion Se	e z	
Lab Code: CHEN	ED Case No.	: X4312 F	AR No.: X4312	_ \$2	ie No.:	X4312
Matrix (soil/wat	er): WATER		Lab Sample ID:	<u> </u>	1312-07	
Level (low/med):	TOM		Date Received:	8/	/28/06	·
% Solids: 0.0						•
	Concentra	tion Units (ug/L	or mg/kg dry welgh	t) :	ug,	/1
	CAS No.	Asalyte	Concentration	C	Ω M	7
	7439-92-1	Lead	0.16	3	MS]

Color	Before	: _	COLORDESS	Clarity	Béfóre:	CLEAR	Texture:	
Color	After:		COLORLESS	Clarity	After:	CLEAR	Artifacts:	
Connon	ts:	_						
		_						
		_						

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